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# PROCEEDINGS AT THE MEETINGS OF THE PHYSICAL SOCIETY

## SESSION 1944-45

20 September 1944

*The eighteenth meeting of THE COLOUR GROUP, at the Lighting Service Bureau, Savoy Hill, London W.C. 2, Mr. J. Guild being in the Chair.*

A lecture entitled "Illuminants for colorimetry and the colours of total radiators" was delivered by H. G. W. Harding, B.Sc., and was followed by an informal discussion.

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29 September 1944

*The thirteenth meeting of THE OPTICAL GROUP, at Imperial College, London S.W. 7, Professor A. O. Rankine being in the Chair.*

A demonstration of "High-intensity projectors for stereoscopic screen projection" was given by A. C. W. Aldis, M.A.

The following papers were read and discussed :

"The monochromatic aberrations", by H. H. Hopkins, Ph.D. ;

"Transfer method for deriving the effect on the image formed by an optical system from ray changes produced at a given surface", by Professor A. L. M'Aulay.

"A differential method of adjusting the aberration of a lens system", by Professor A. L. M'Aulay and F. D. Cruickshank, B.Sc.

"A system of transfer coefficients for use in the design of lens systems", by F. D. Cruickshank, B.Sc.

(A summary of the last three papers was presented by Dr. C. G. Wynne.)

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24 October 1944

*Science Meeting, at the Cavendish Laboratory, Cambridge, the President, Professor E. N. da C. Andrade, being in the Chair.*

A lecture on "Active nitrogen" was delivered by Professor S. K. Mitra, D.Sc., and was followed by an informal discussion.

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27 October 1944

*Science Meeting, at Imperial College, London S.W. 7, the President, Professor E. N. da C. Andrade, being in the Chair.*

The following were elected to Fellowship : John Norman Aldington, Arthur Joseph Hughes, Cyril James Henry Monk, Wilfred Ernest Watson-Baker, Charles Gorrie Wynne.

It was announced that the Council had elected the following to Student Membership : Rafael Armenteros, Gordon John Bell, Maurice Arthur Cayless, Rex Herbert Coffin, Montague Cohen, Derek H. Cole, Dennis Henry Colvill, Robert William Cranston, Peter Crosby, Michael William Feast, Lily Irene Gadd, Malcolm Hobson Green, Joan Irene Harper, Ronald Bertie Ide, Clifford Philip Newman, Donald Perkins, Thomas Henry Richardson, Peter Henry Rose, Hilmi Samara, Vera Mary Scamans, Beta May Sparkes, John Henry Strong, George Geoffrey Twidle, R. J. Wakelin.

Demonstrations of "Rectangular voltage waves from a low-impedance source" were given by T. J. Rehfisch.